

## GGB-DB™

### Cast Bronze Bushings with Solid Lubricant Inserts



#### CHARACTERISTICS

- Maintenance-free bearing material for heavy duty applications
- Excellent performance under high loads and intermittent operation
- Also available with graphite inserts for temperatures above 250°C

#### AVAILABILITY

**Bearing forms made to order:** cylindrical bushes, flanged bushes, thrust washers, sliding plates, pintle bearings, half-bearings, axial and radial segment rings, self-aligning spherical bearings, customized bearing designs



#### APPLICATIONS

**Industrial:** Offshore industry, underwater equipment, bridges and civil engineering, iron and steel industry equipment, cranes and conveyors, deep and open cast mining equipment, construction and earthmoving equipment, etc.



## GGB-DB™ Technical Data

Bearing Properties		Imperial Units	Imperial Value	Metric Units	Metric Value
<b>General</b>					
Maximum load, p	Static	psi	29 000	N-mm <sup>2</sup>	200
	Dynamic	psi	15 000	N-mm <sup>2</sup>	100
Operating temperature	Min	°F	- 60	°C	- 50
	Max	°F	660	°C	350
<b>Grease Lubricated</b>					
Maximum sliding speed, U		fpm	100	m/s	0.5
Maximum pU factor		psi x fpm	43 000	N/mm <sup>2</sup> x m/s	1.5
Coefficient of friction			0.05 - 0.18		0.05 - 0.18
<b>Recommendations</b>					
Shaft surface roughness, Ra		µin	8 - 32	µm	0.2 - 0.8
Shaft surface hardness		HB	> 200	HB	> 200

Operating Performance	
Dry	Good
Oil lubricated	Good
Grease lubricated	Good
Water lubricated	Good
Process fluid lubricated	Fair

